

SUPPLEMENTAL DETAILED ACTION

1. This supplemental response is set forth to correct the claim listings and their dependencies, specifically the dependency of claim 30. Please find below. Nothing else in the record has changed.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mary Golota on April 8, 2008.

The application has been amended as follows:

In claim 30, please delete the dependency "30" and replace with dependency "29".

Allowable Subject Matter

3. Claims 1-30 are allowed.

4. The following is an examiner's statement of reasons for allowance: The prior art, alone or in combination, fails to teach and/or fairly suggest a liquid coating material in the form of a water in oil dispersion which is cured with actinic radiation, is substantially or completely free of organic solvent and has a pH < 5 comprising components (A) to (D) as found in instant claim 1 as essential components. The prior art, such as US 5,385,960 to Emmons et al, sets forth a coating composition comprising an aqueous dispersion of a titanium oxide pigment dispersed in an aqueous dispersion of latex particles. Said latex particles are acrylic particles having at least one dihydrogen phosphate functional group. The acrylic particles having said dihydrogen phosphate functional groups can be in admixture with phosphoric acid diesters of 2-hydroxyethyl acrylate. Said coating composition can also comprise other additives such as film forming polymers and/or resin and other conventional coating additives. The difference between Emmons et al and the instant invention is Emmons et al teaches said coating should have an alkaline pH verses a pH of less than 5 as instantly claims. Another difference is Emmons et al does not require a pigment that is acidic and based on polyphosphoric acid, even though other pigments are envisioned within the teachings of Emmons et al. Lastly, Emmons et al is silent with regard to radiation curability of the coating composition. JP 08-060048 sets forth coating compositions comprising a mixture of acrylic modified pyrophosphates and mono-phosphate ester. Said compositions can comprise a pigment, an alkyd resin and/or other film former components, as well as, be radiation curable. While JP 08-060084

teaches that water can be used as a solvent is silent with regards to a water-in-oil emulsion and also silent with regard to the pH of the composition. US 7,268,171 to Tanaka et al sets forth radiation curable compositions comprising an aqueous composition having a resin having a phosphate group and an ethylenically unsaturated group. However the reference is silent to a pH less than 5 and an acidic pigment based on polyphosphoric acid. Therefore the instantly claimed composition, process of preparing said composition and coated articles comprising the cured coating composition is distinguished over the art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanza L. McClendon whose telephone number is (571) 272-1074. The examiner can normally be reached on Monday through Friday 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sanza L McClendon/
Primary Examiner
Art Unit 1796

SMc

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